30. In the East Khándesh division intermediate cairns between those placed by the Forest Settlement Officer, so that they may be visible one from the other, were erected upon 28 miles of forest boundary line in the Chálisgaon, Ráver, Sávda and Yával ranges; and the boundary line was cleared of vegetation; old boundary-márks were maintained in repair.

31. In the West Khándesh division 1,400 cairns were erected by the Forest Settlement Officer in the Pimpalner and Akráni ranges at a cost of Rs. 609, and the Divisional Forest Officer erected 716 new marks at a cost of Rs. 179; and an expenditure of Rs. 231 was incurred on repairs to old pillars. A sum of Rs. 291 was spent on line cutting on forest boundaries.

32. In the Násik division demarcation was pushed vigorously in the Peint and Igatpuri ranges, and 3,105 and 2,773 cairns were built at a cost of Rs. 1,402 and Rs. 1,523 respectively: and 2,614 new cairns were erected in the other ranges save Niphád and Nándgaon, and old marks were maintained in repair.

33. Demarcation in the Ahmednagar division was carried on with vigour, 2,624 marks having been erected against 1,067 in the year preceding; and up to the end of the year the demarcation of boundaries in 162 villages out of 829 forest villages has been completed.

34. In the Poona division likewise fair progress was made, 2,031 cairns having been erected against 781 during 1893-94, at a cost of Rs. 1,110.

35. In the Sátára and Sholápur divisions owing to want of funds the progress was not so great as might otherwise have been. 3,094 cairns were erected at a cost of Rs. 670 in the former, while in the latter division, although funds were available, they were not fully utilised, and only 496 marks were put up at an expenditure of Rs. 141.

(iv).—SURVEYS.

36. The Forest Survey Party (No. 17) of the Government of India carried on their operations under the superintendence of Colonel Hobday in the divisions of Ahmednagar and Poona only of the Central Circle during the year, and the statement given below will show the details of the work done and the expenditure incurred on its account:—

No.	Division.	Detail Survey.						Total. cost.
		4″	Cost.	8″	Cost.	16″	Cost.	
			Rs.		Rs.		Rs.	
1	Ahmednagar ...	...	...	106·14	10,941	23 83	2,719	13,660
2	Poona	159·35	12,640	6·89	782	0·41	54	13,476
	Total ...	159·35	12,640	113·03	11,723	24·24	2,773	27,136

37. The cost rates per square mile of the different scales are given below as compared with those of last year:—

1893-94.		1894-95.	
Scale.	Cost Rate.	Scale.	Cost Rate.
	Rs. a. p		Rs. a. p.
4″	84 9 3	4″	81 1 4
8″	134 13 7	8″	110 13 7
16″	179 6 7	16″	116 7 3

38. The Superintendent, Forest Surveys, states that the cost rates are, as usual, calculated from the totals of the *survey year* ending 30th September 1895, because the totals thus obtained correctly represent the actual cost of each Survey and its subsequent mapping during the recess; whereas if the total of the forest year were taken, it would represent the cost of one survey season, and the mapping of the surveys of the previous survey season of a totally different locality; and as the total expenditure for the survey year, Rs. 27,712, does not widely differ from the total expenditure of the forest year, Rs. 27,136, the cost rates are not materially affected.

39. The following statement shows a comparison of the outturn and cost of the forest surveys undertaken during the survey years 1893-94 and 1894-95 :—

Year.	Triangulation.		Detailed Survey.						Rate per Square mile.		
			4″ Scale.		8″ Scale.		16″ Scale.				
	Area.	Cost.	Area.	Cost.	Area.	Cost.	Area.	Cost.	4″.	8″.	16″.
	Sq.miles.	Rs.	Sq.miles.	Rs.	Sq.miles.	Rs.	Sq.miles.	Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1893-94 ...	200	1,192	8·60	727	112·85	15,214	65·0	11,662	84 9 3	134 13 7	179 6 7
1894-95 ...	...	...	159·35	12,918	113·03	11,970	24·24	2,824	81 1 4	110 13 7	116 7 3

40. The Forest Survey Party No. 17 of the Government of India, in addition to undertaking the surveys of forest reserves for the Forest Department, surveys and maps for the standard topographical sheets of the Survey of the Indian Empire, which are published on the scale of 1 inch equal to 1 mile, country outside forest reservations in the Kánara district as well as the country covered by forest areas, but the entire cost of the survey party for the whole year is charged to the Forest Department, and no fraction of it is charged to the Government of India in the Topographical Survey Department on account of the topographical survey work done by the party in Kánara. In order to arrive at the rates of cost of different forest surveys on different scales, to the actual cost of the field and mapping work is added a proportionate share of the cost of supervision, *i. e.* of the Superintendent's pay, &c., and of the head-quarters charges of No. 17 party. But if the actual cost of the topographical survey work performed by the party in Kánara were to be deducted from the amount now charged to the Forest Department on account of forest surveys, and if its proportionate share of supervision and of head-quarters charges were to be deducted also, and were to be added to the cost of the topographical survey in Kánara, then the rates for the survey work in the three circles on the different scales of 16,″ 8″ and 4″ equal to one mile would be lower than the Superintendent of Forest Survey shows them to have been, and the figures would consequently represent more correctly the actual or real cost of forest surveys.

CHAPTER II.

MANAGEMENT OF STATE FORESTS.

I.—REGULATION OF MANAGEMENT.

(*a*).—Working Plans and their Control.

41. The newly created Working Plans Division for the Central Circle was in charge of Mr. L. S. Osmaston, Deputy Conservator of Forests, 4th Grade, sub. *pro-tem.* throughout the year, whose operations were confined to the divisions of East Khándesh, Násik, Ahmednagar and Poona.

42. The field establishment which was not brought up to its full strength before the 1st January 1895, laid out 272 compartments on the ground at a cost of Rs. 516 during the working season; of these 272 compartments 45 with an acreage of 148·7 represent the Bábool compartments in the Poona divi-